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## NOTICE TO CONTRACTORS

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STATE OF CALIFORNIA  
THE RESOURCES AGENCY  
DEPARTMENT OF WATER RESOURCES

### HIGHLIGHTED CHANGE FROM ADDENDUM NO. 4.

Sealed bids for COPPER COMMUNICATIONS CABLE AND VOICE AND DATA EQUIPMENT – MONITORING, TESTING AND REPAIR, CALIFORNIA AQUEDUCT, STATE WATER FACILITIES, DELTA, SAN LUIS, SAN JOAQUIN AND SOUTHERN FIELD DIVISIONS, CONTRA COSTA, ALAMEDA, SAN JOAQUIN, SANTA CLARA, MERCED, FRESNO, KINGS, KERN, SAN LUIS OBISPO, LOS ANGELES AND SAN BERNARDINO COUNTIES, CALIFORNIA, SPECIFICATION NO. 05-07, CONTRACT NO. C51301, will be received by the Department of Water Resources, 1416 Ninth Street, Room 418, Sacramento, California 95814, not later than **2:00 P.M. on WEDNESDAY, JUNE 15, 2005**, at which time they will be publicly opened and read at an announced location in the vicinity of such office.

Bid forms for this work are included in a separate booklet titled BID FORM. Bids will be considered only if submitted for all the work required for the above project. The work is defined in Section 01110 – Summary of Work, and includes but is not limited to the following principal features:

1. The Contractor's supervisory personnel utilized for this work shall have experience and be familiar with: a. Troubleshooting techniques for leak detection, splicing and repair of underground pressurized copper cable, b. Troubleshooting and repair for Bell Standard 3002, conditioned full duplex data multi-drop circuits, non-loaded cable and cables using H44 (data) and H88 (voice) loading and 4-wire private line, multi-point, bridged voice circuits, c. Testing and test equipment required for test and analysis of cable losses, noise (steady state and impulse), attenuation, distortion, Bit Error Rate Testing (BERT), envelope delay, copper cable loading schemes to include H44 and H88 loading as well as non-loaded cables, and d. Interfacing copper cable technology to other technologies of radio, microwave and multiplexers.

2. The Contractor shall provide monitoring, testing and repairs on approximately 440 miles of California Aqueduct communication cable and appurtenances, for the Department. This work includes: a. Monitoring and testing pressurized direct burial copper communications cable at the specified locations, b. Providing refurbishment and repair to compressor equipment used to pressurize the communications cable at the specified locations, c. Replace defective compressors and appurtenances used to pressurize the communications cable at the specified locations, d. Furnishing and installing compressors and appurtenances used to pressurize the communications cable at the specified locations, e. The Contractor shall repair communications cable based upon the current and acquired communications cable monitoring and testing data. The Contractor shall make cable repairs based on accepted criteria and as directed. Work for cable repairs shall include: 1) Planning, scheduling, documentation, excavation, pressure cable splicing, installation of cable enclosures, cable replacement and backfill as specified, and 2) The Contractor shall make cable repairs to the pressurized communications cable when pressure tap readings at the specified locations fall below 2 pounds per square inch.

3. The Contractor shall perform the following electronic work to the voice and data equipment at specified locations. This work includes: a. Perform bi-annual level adjustments to the line amplifiers and adjustments of bridges and equalizers, b. Perform bi-annual adjustments to the sealing current levels, c. Replace defective gas surge protectors in the cable terminal blocks, and d. Perform bi-annual measurements and document circuit parameters, to include noise, attenuation distortion, envelope delay, bit error rate (BER), and document the results.

Forms of bid and contract, drawings and specifications for the project may be obtained only at the Department of Water Resources, 1416 Ninth Street, Room 418, Sacramento, California, between the hours of 7:30 a.m.-12:00 noon and 12:30-4:00 p.m. or by mail upon written request to the Department of Water Resources, P. O. Box 942836, Sacramento, California 94236-0001, Attention: Jim Veres, Spec. No. 05-07, Telephone (916) 653-4867, Fax (916) 653-6166, or by e-mail at doe\_specs@water.ca.gov. Drawings and specifications may be seen at the above location or at the office of the Department at 3121 East Avenue I, Lancaster, California.

The Department encourages bidders to explore certification as a Small Business and/or Disabled Veteran Business Enterprise and to utilize certified Small Business and Disabled Veteran Business Enterprises during the contract term.

Contractor's license classification required for this work: A, C-7 or C-10 .

LESTER A. SNOW  
Director of Water Resources

Dated: April 8, 2005  
(Advertisement)